

READY RECKONER FOR LOW ALLOY HIGH STRENGTH STEEL CONSUMABLES

BRAND	AWS	APPROVALS	BASE MATERIAL	APPLICATION	IMAGES
TENALLOY 55	E8018-G	IBR CE	DIN 17280 10Ni1	Storage tanks, pipes, pressure vessels, boilers, bridges & heavy structures	
TENALLOY 60	E8018-G	CE	BH39/47/ W27/W30 steel, ALDUR 45/60, SA- 841/841M	Storage tanks, pipes, pressure vessels, boilers, bridges & heavy structures	
TENALLOY 60-D3	E8018-D3	CE	A 209 T1	Penstocks, pressure vessels, Earthmoving Equipment's	
TENALLOY 70 A	E8018-C1	CE	SA-203/203M Gr.A/B	Welding of 2.5% Ni steels in refineries, Power plants, heat exchangers	
TENALLOY 70 B / 70 BL	E7018-C2L E8018-C2	CE	SA-203/203M Gr.B/D/E, 3.5% Ni steel	Welding of 3.5% Ni steels in refineries, Power plants, heat exchangers	



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TENALLOY 70 C	E8018-C3	CE	~ 1% Ni Steels, A333 & A334 Grade 6, A350 Grades LF2 & LF5, A352 Grade LCB	Pressure vessels and heat exchangers in refineries and power plants	
TENALLOY 125	-	CE	Low alloy cast steels like GS 17 CrMoV 5 SA 204/204M Gr.A, SA 217/217M Gr.WCI, SA- 182/182M Gr.F1	Valve casting & steam turbines, pressure vessel in power generation & petrochemical	
MOLYTEN / MOLYTEN S PLUS	E7018-A1	CE ABS IBR NPCIL BHEL NTPC CE	P11, P12 grades of SA- 335/335M,	Welding of pressure vessel, boilers & pipelines.	
CROMOTEN	E 8018-B2	ABS IBR NPCIL BHEL NTPC BIS CE	ASTM A182-F2, F11, F12, 13 CrMo 44, 15 CrMo 5	Refineries, power plants, chemical plants, pressure vessels, boilers.	



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CROMOTEN PHT SPECIAL	E 8018-B2	CE	ASTM A182-F2, F11, F12, 13 CrMo 44, 15 CrMo 5	Chemical & Petro chemical industries where resistant to H2 attack & corrosion	
CROMOTEN S PLUS	E7018-B2L	CE	ASTM A182-F2, F11, F12, 13 CrMo 44, 15 CrMo 5	Creep resistant steel used in boilers, power plants, oil refineries, chemical plants	
CROMOTEN C / C S PLUS	E8018-B3L	CE	T22 grade of SA-213/213M, 22 grade of SA-387/387M. F22 grade of SA- 182/182M, GS 12CrMo 9 10	Steels used in the Refineries, Power & chemical plants, pressure vessel & boilers.	
CROMOTEN D	E8018-B6	CE	F5 grade of SA-336/336M & SA-387M	Steels used in the Refineries, Power & chemical plants, pressure vessel & boilers	
CROMOTEN Ti	E8013-G	CE	GS 13CrMo 44, 15CrMo V42, grade CP2, CP11 & CP12	Low alloy steel boilers & piping operating at service temp. Upto 5000 in oil refinery & chemical plant.	
CROMOTEN V	E8013-G	CE	ASTM grade T2, T11 & T12, IS 07Cr90Mo 55	Low alloy steel boilers & piping operating at service temp. Upto 5000 in oil refinery & chemical plant	



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CROMOTEN C Ti	E9013-G	CE	F22 grade of SA- 182/182M, GS 12CrMo 9 10	In refineries, power plants, pressure vessels, chemical plants, boilers.	
CROMOTEN C (PHT Batch)	E9018-B3	CE	ASTM A182-F2, F11, F12, 13 CrMo 44	Low alloy steel boilers & piping operating upto 600oC in refinery, thermal power plant.	
CROMOTEN 9	E8018-B8	CE	ASTM A 217 C 12, X 12 CrMo 91	For 9% Cr plates, pipes, & tubes. For corrosion & heat resistance applications.	
CROMOTEN 9M	E9018-B91	CE	ASTM A 387-Gr.91, X 10 CrMoVNb 91	For 9% Cr plates, pipes, & tubes. For corrosion & heat resistance applications	
CROMOTEN 9M-15	E9015-B91	CE	T91 Gr. Of SA-199/199M & SA-213/213M	creep resistant steels used for boilers, power plants, oil refineries, chemical plants, etc.	
CROMOTEN 9M (SPL)	E9018-B91	CE	ASTM A217 Grade C12A, BS1503 Grade 91		



HIGH STRENGTH APPLICATION						
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TENALLOY 65	E9018-G	CE	SA-662/662M Gr. A /B/C	Welding of high tensile steels, Pressure vessels, boilers, bridges & heavy structures		
TENALLOY 65 SPL	E9018-G	CE	HY-80, HY-90 & ASTM A514, A508, A533	Earthmoving equipment, powerhouse construction, oil refineries, Penstocks, Submarine		
TENALLOY 70 D1	E9018-D1	CE	AISI 4130, ASTM A487 Gr.2A/B/C (cast)	Joining low alloy high tensile steels, Penstocks, Earthmoving equipment's		
TENALLOY 75	E10018-M	CE	USS-T1 steel, N-A-XTRA 70, BH65 steel	Fabrication of Penstocks, earth moving equipment's & heavy structures		



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TENALLOY 75 D2	E10018- D2	CE	Fully killed fine grained high tensile steel	Welding of fully killed fine grained high. Tensile steels used for fabrication of penstock, earthmoving equipment's	
TENALLOY 75 G	E10018-G	CE	DMR 249B	Welding of grain refined steels and nickel steels. Also suitable for welding heavy and highly restrained joints. distillers in coke oven batteries, storage tanks for liquefied gases like ammonia & petrochemical industries.	
TENALLOY 80	E11018-M	CE	USS T-1 steel, C & D Gr. Of SA-225/225M	Penstock, earthmoving equipment's & heavy steel fabrications	
TENALLOY 80 HH SPL	E11018-M	CE	AISI/SAE 4130 & 8630		
TENALLOY 4130	-	-	AISI/SAE 4130 and 8630	Rock crushing machinery & automotive parts, Structural parts of aircraft	



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NIMOTEN / NIMOTEN PLUS	E9018-M	CE	N-A-XTRA 60 steels	Penstocks, Pressure vessels, Boilers, Pipelines, machinery parts	
NIMOTEN PLUS 535 / 535 A / 535 B	-	CE	W360, W302, W303, AISI H11, H13, Premium H13, DB 6 die block	Forging dies for filling of all types of die impressions, large hot working dies. Machinery, earth moving equipment, armour steels, etc. Repair of case hardening steel parts. Cracks in Ni-Cr hot working dies.	
ULTRACORTEN I ULTRACORTEN III	E8018-W2	CE	Weathering steel like CORTEN-A & CORTEN- B ASTM A36, A283 Gr.B/C	Weathering steel used in the chemical; petrochemical & railway where high corrosion resistance is required	
TENALLOY 80P2	E8045-P2 H4R	CE	Circumferential joints in pipelines API 5LX70, X80	Vertical-down welds of large diameter pipelines and for structural work It can be used in sour gas application	
TENALLOY 90P2	E9045-P2 H4R	CE	ASTM A335 (ASME S/A335, Chrome-Moly)	Suitable for filler and cover pass welding in pipeline construction	